

1. Product Profile

StenFloor® GRANO 3EP is a heavy-duty type, solvent free epoxy-based coating which can be applied by pouring, and forms a safe and anti-slip floor with special size solid fillers. It has high adhesion, abrasion and impact resistance, chemical impact resistance. Polymeric mixture matches thermal expansion of the concrete made of Portland cement and has excellent adhesion to concrete. Its application is easy. It is a system which consists of pure solvent free epoxy resin, pigments and solid fillers.

StenFloor® GRANO 3EP is available in 24 kg sets.

2. Uses

StenFloor® GRANO 3EP is used in repairing old concrete surfaces, broken slab and joint edges, and similar small areas. It can also be used as top coating at deceleration and stop zones and where protection and no skidding are desired. It is suitable to be used at pavements, floors of industrial storage tank fields, airport pavements, turns and slowdown regions of park areas. It is suitable for concrete, terrazzo, ceramic, wooden and metal surfaces.

3. Surface Preparation

It is very important to correctly prepare the surface. For this reason, if you provide detailed information about the condition of your surface, most suitable surface preparation procedures will be recommended by **Stenkim®**. Application surfaces must be clean and dry. Surface temperature must be between 10 °C and 30°C, relative humidity must be maximum 75%.

4. Application

It is helpful to keep the materials at 20-30°C for one day before the application date. During the application, surface and ambient temperature must be minimum 15°C and the temperature must not drop below 15°C for the 24 hours following the application.

Concrete mixer type, heavy duty cement mixers with suitable capacity must be used. Component A is placed in the mixer and aggregate is added onto it, and they are mixed for 1 – 2 minutes until a homogeneous mixture is obtained. Then component B is added onto this mixture and it is mixed

Epoxy Based Heavy Duty Floor Coating

Highlights

- Self-leveling
- Solvent free
- Excellent resistant to abrasion
- High Impact resistant
- Long lasting
- Skid reduction
- Adheres perfectly to concrete surfaces
- Matches thermal expansion of the concrete
- Resistant to chemicals

for 1 – 2 minutes more, and without delay it is poured on the application area. Material poured is first spread and then leveled with a screed rail. If desired, additional aggregate can be spread on the surface before the material sufficiently cures. Loose aggregates on sufficiently cured material can be swept away. Aggregates must be selected among high hardness, abrasion resistant materials. **StenSilica** is suitable for this purpose. Aggregate size is determined depending on the application thickness.

5. Cleaning

Equipment used can be cleaned at the end of the job with **StenSolver EP**.

6. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein. The application must be carried out by skilled workers under supervision of experts and the applicators must use all kinds of protective equipment required for the worksite and the task such as goggles, mask and gloves.

Emptied packages must be handled in compliance with relevant regulations and laws.

7. Storage

The material must be kept away from sunlight in dry indoor storage. Recommended storage temperature is 10-30°C. Stored in these conditions, the shelf life of unopened containers are 12 months.

9. Technical Data

Properties	Method	Results
Base Polymer		Epoxy
Solid Content % (A+B)		100
Color		Grey
Density	A+B	1.21 ± 0.05 g/cm ³
Density	A+B+C	1.90 ± 0.05 g/cm ³
Application Thickness		Min. 6mm
Durometer Hardness	ASTM D2240	D 85 ± 0.5
Water Absorption		0.1%
Flame Resistance		Pass, nonflammable
Voc (Volatile Organic Content)		0%
Chemical Resistance to Jet Fuel @23°C	ASTM D 1308	Pass
Chemical Resistance to Engine Oil @23°C	ASTM D 1308	Pass
Chemical Resistance to Antifreeze @23°C	ASTM D 1308	Pass
Chemical Resistance to Salt @23°C	ASTM D 1308	Pass
Pot Life of the Mixture @20°C (A+B)		30 minutes
Pot Life of the Mixture @20°C (A+B+C)		45 minutes
Tack Free Time @20°C	A+B+C	6 hours
Cure Time for Light Trafficability @20°C	A+B+C	12 hours
Cure Time for Heavy Trafficability @20°C	A+B+C	2 days
Cure Time for Chemical Resistance @20°C	A+B+C	5 days

Stenkim® reserves the right to make changes in the values in this table at any time.

8. Company Liability

The information contained in this document is based on site experience of and laboratory tests done by **Stenkim®** and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All **Stenkim®** products are available in specified quality and conditions. The company accepts no liability whatsoever unless the transportation, storage, application conditions and customer use are overseen by **Stenkim®**.

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